VICON

Quick Guide

XX269-40-00

CE202D-N Network Camera Dome

Vicon Industries Inc.

Tel: 631-952-2288 Fax: 631-951-2288 Toll Free: 800-645-9116

24-Hour Technical Support: 800-34-VICON (800-348-4266) UK: 44/(0) 1489-566300

Vicon Industries Inc. does not warrant that the functions contained in this equipment will meet your requirements or that the operation will be entirely error free or perform precisely as described in the documentation. This system has not been designed to be used in life-critical situations and must not be used for this purpose.

www.vicon-security.com

Document Number: 8009-8269-40-00

Issued: 314

Product specifications subject to change without notice.

Copyright © 2014 Vicon Industries Inc. All rights reserved.

1. Description

The information in this manual provides quick installation and setup procedures for the CE202D-N Series of Camera Domes. These units should only be installed by a qualified technician using approved materials in conformance with federal, state, and local codes. Read these instructions thoroughly before beginning an installation. Always refer to Vicon's website to assure you have the most up-to-date manual, www.vicon-security.com.

The CE202D-N HD IP Camera Dome is designed for indoor security installations. This cost-effective fixed network camera includes an integral 3.7 mm megapixel fixed lens; the 1080p resolution delivers crisp clear images. The CE202D-N cameras are fully compatible with all ViconNet® systems; its ONVIF certification provides an open-platform for integration into other video management systems.

The network camera provides triple-streaming video and supports H.264 compression technology. MPEG-4 and Motion JPEG (M-JPEG) compressions are also provided, as are privacy masking and motion detection. Installation is made easy and cost-effective with Power-over-Ethernet (PoE); the camera also accepts 12 VDC.

- **Installation Steps**
  Follow these steps to install the network camera on your local network (LAN):
  1. Check the package contents against the list that follows.
  2. Connect the network camera.
  3. Set an IP address.
  4. Set the password.

- **Package Component**
  The system comes with the following components:

Camera Unit

Installation CD

Installation Guide

Accessory Kit

Template sheet

Alarm Cable

Optional OSD Controller

Check your package to make sure that you received the complete system, including all components shown above.

Note: Adapter for 12 VDC is not supplied and the optionalV920D-OSD OSD Controller can be purchased separately.

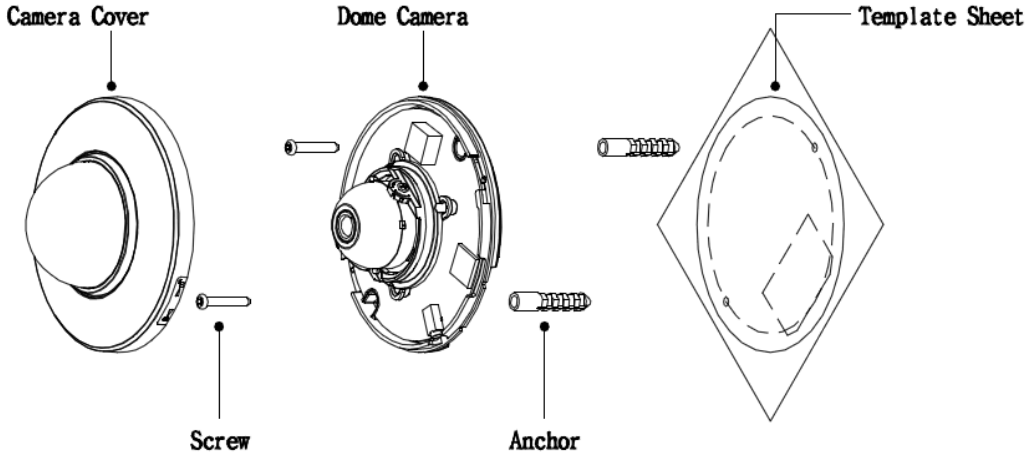
- **Contents in the installation CD**
  1. The CE202D-N User's Manual
  2. The SmartManager User's Manual
  3. The SmartManager Installation software

2. Installation

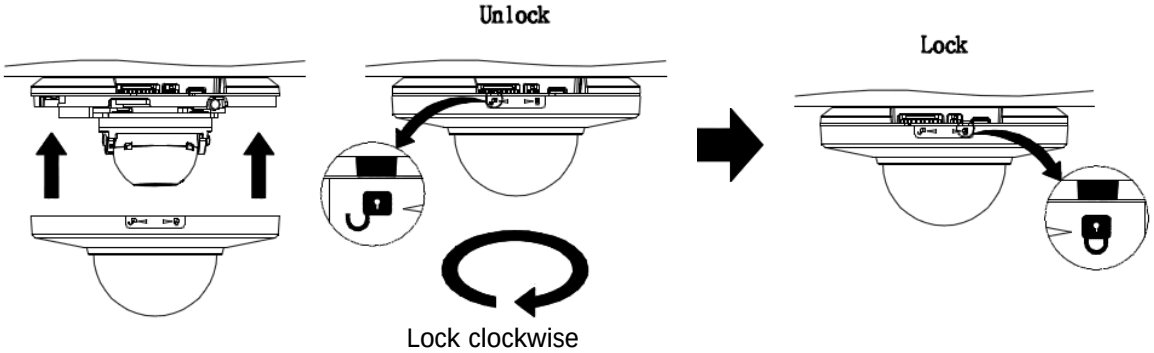
2.1 Camera Installation

Carefully remove the contents from the box, and verity that nothing was damaged in shipment.

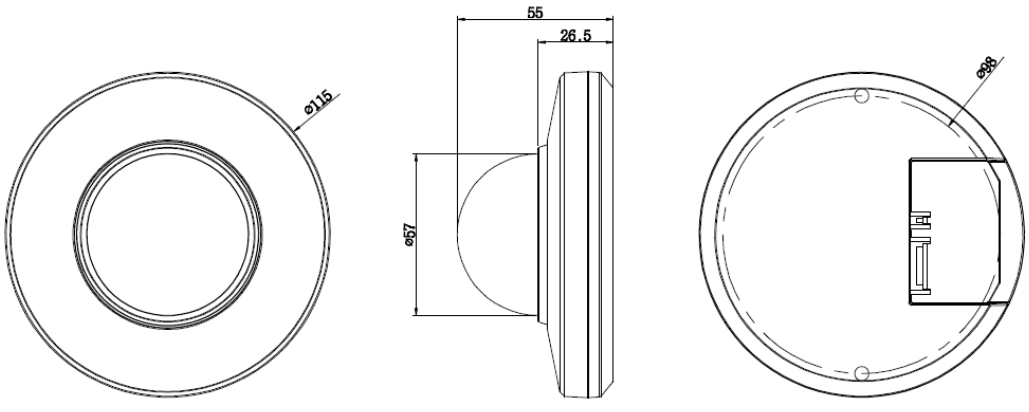
1) Using the template sheet provided, make screw holes for camera on the ceiling.
2) Disassemble the camera by turning the camera cover counter-clockwise so it can be removed.
3) Secure the dome camera to the ceiling using the anchors (2x) and screws (2x) provided in the accessory kit.



4) Reassemble the camera cover to dome camera by turning the camera cover clockwise until it locks in place

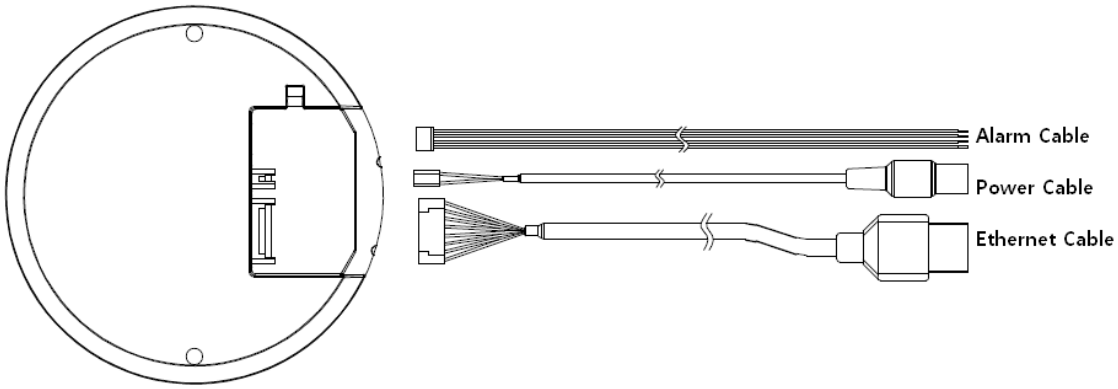


- **Camera Dimension**
  See the diagrams below for the exact dimension. (Dimensions Unit: mm)

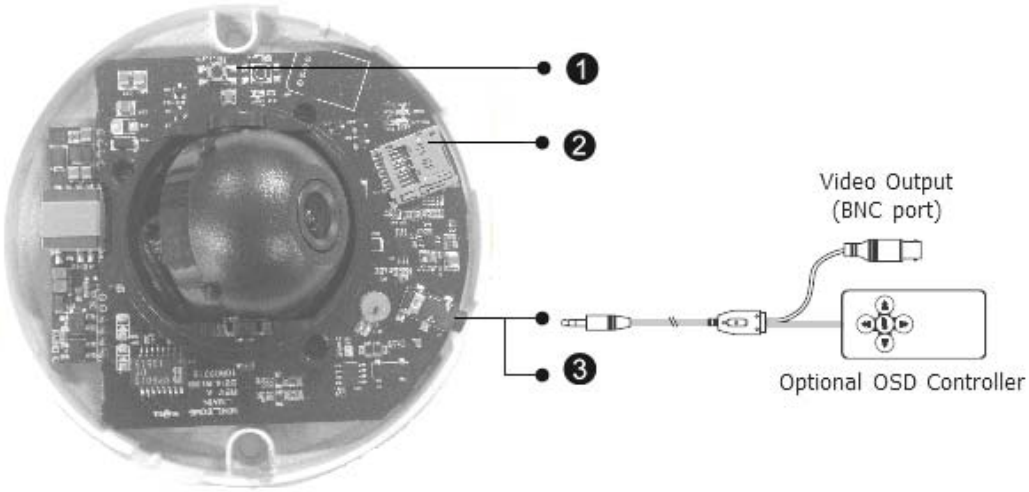


2.2 Connection

- **Connection Description**



NO	Name	Description
1	Alarm Cable	Yellow : Alarm input, Black : GND, Blue : Alarm output
2	Power Cable	Cable for Power source (DC 12V)
3	Ethernet Cable	Cable for Ethernet (POE)



NO	Name	Description
1	Factory Default Button	Button for the factory default setting
2	Micro-SD Slot	Micro-SD memory slot
3	Service Monitor Port	Service Monitor (set to NTSC by default ; change video format from Source menu); V920D-OSD Controller (option) Communication Port, Mono Jack

- **Connecting to the RJ-45**
  Connect a standard RJ-45 cable to the network port of the network camera. Generally a cross-over cable is used for directly connection to PC, while a direct cable is used for connection to a hub.

- **Micro SD memory slot**
  Insert the SD memory card (customer supplied).

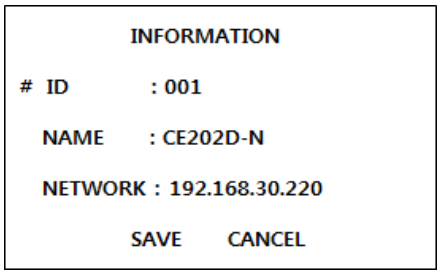
- **Connecting the Power**
  onnect a 12 VDC power adaptor (customer supplied) to the camera.

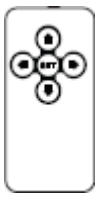
- **Connecting Service Monitor Port**
  The Service Monitor output port is located on the board of the dome camera and is used for easy OSD setup.

  ▶ **ID & IP assignment**

  To make changes in the OSD menu, the optional OSD controller can be used to set Camera Title and IP Address.

  1. Connect the OSD Controller to the Service Monitor port of the network camera.
  2. Connect Service Monitor and the Video Output port of the OSD Controller.
  3. Press the SET button on the controller to access the Main Menu.
  4. Change camera ID and IP address as needed. Additionally, the Name (or title) of the camera can be changed. Use the ↑↓←→ buttons on the controller to change the parameters.
  5. Select SAVE or CANCEL to exit the Main Menu.





The Video Output can also be used for easy zoom and focus control when adjusting the lens. Video Output is restricted to 704x480 (576) resolution.

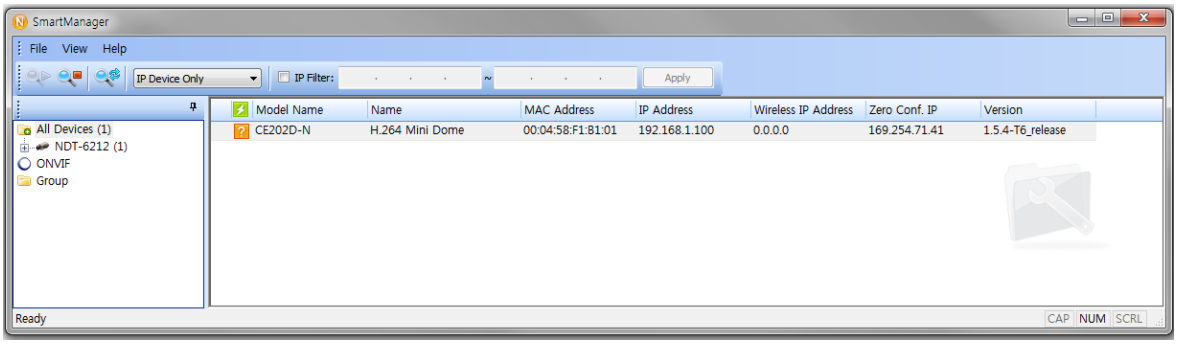
Note: *The optional V920D-OSD OSD Controller can be purchased separately.*

2.3 Network Connection and IP assignment

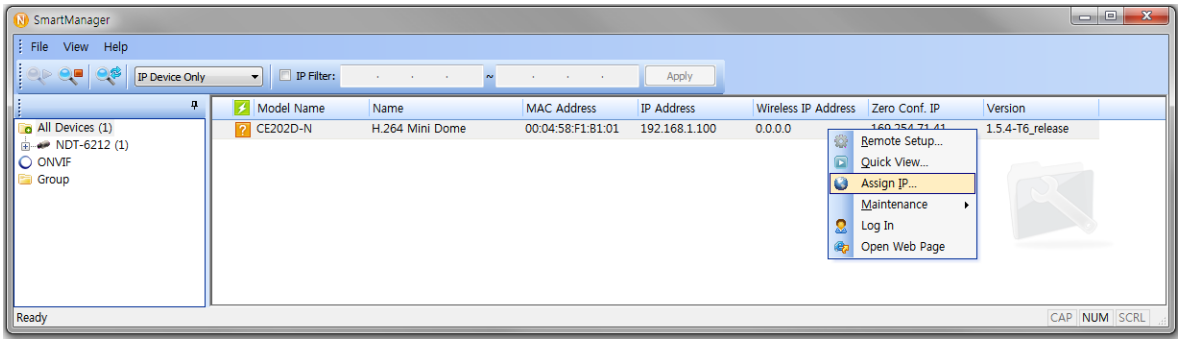
The network camera is designed for use on an Ethernet network and requires an IP address for access. Most networks today have a DHCP server that automatically assigns IP addresses to connected devices. By the factory default, your camera is set to obtain the IP address automatically via DHCP server. If your network does not have a DHCP server the network camera will use 192.168.1.100 as the default IP address.

If DHCP is enabled and the product cannot be accessed, run the “Smart Manager” utility on the CD to search and allocate an IP address to your products, or reset the product to the factory default settings and then perform the installation again.

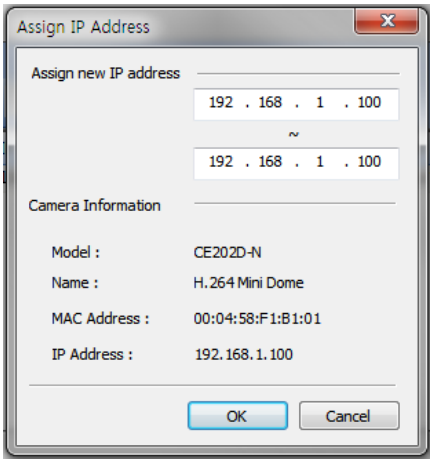
1. Connect the network camera to the network and power up.
2. Start SmartManager utility (Start>All programs>SmartManager>SmartManager); the main window will be displayed, after a short while any network devices connected to the network will be displayed in the list.



3. Select the camera on the list and click right button of the mouse. Y The pop-up menu below displays.



4. Select Assign IP. The Assign IP window displays. Enter the required IP address.



Note: For more information, refer to the Smart Manger User’s Manual.

3. Operation

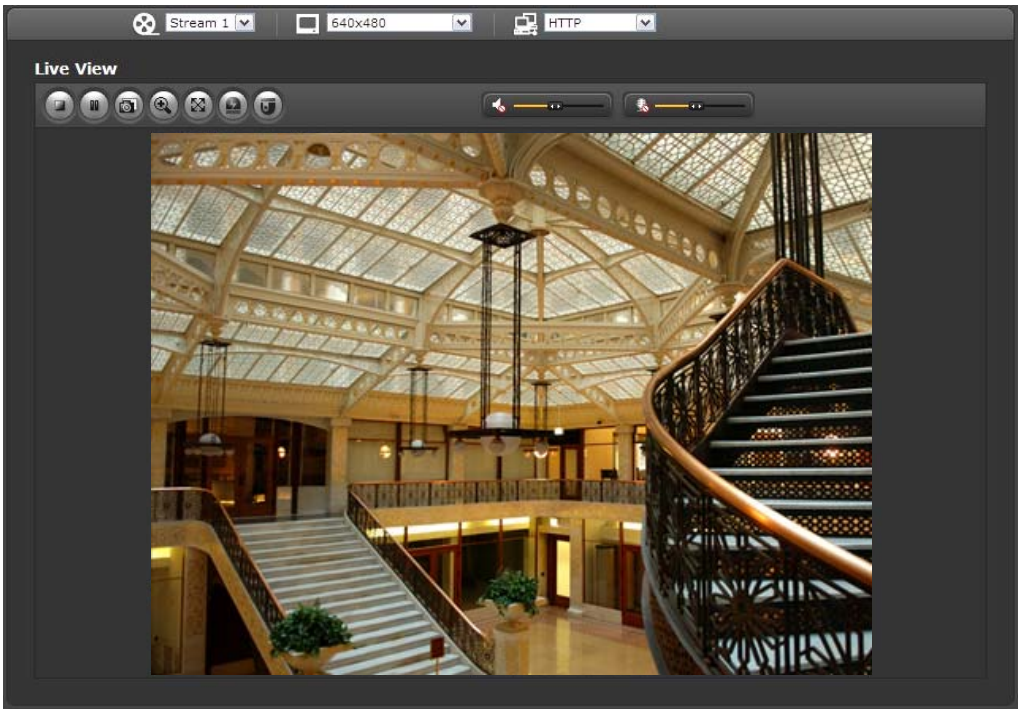
The network camera can be used with Windows® operating system and browsers. The recommended browsers are Internet Explorer®, Safari®, Firefox®, Opera® and Google® Chrome® with Windows.

Note: To view streaming video in Microsoft® Internet Explorer, set your browser to allow ActiveX controls.
Note: Some screens may appear different (i.e., color scheme) depending on the firmware version, but the functionality is the same or similar.

3.1 Access from a browser

1. Start a browser (i.e., Internet Explorer).
2. Enter the IP address or host name of the Network Camera in the Location/Address field of your browser.
3. A starting page displays. Click Live View, Playback or Setup to select corresponding web page.

4. Click Live View for the network camera's **Live View** page to appear in the browser.



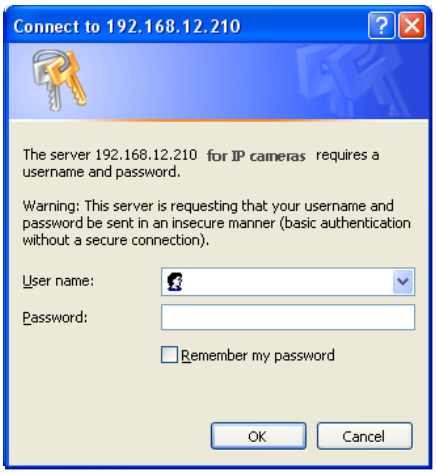
3.2. Access from the internet

Once connected, the network camera is accessible on your local network (LAN). To access the network camera from the Internet you must configure your broadband router to allow incoming data traffic to the network camera. To do this, enable the NAT-traversal feature, which will attempt to automatically configure the router to allow access to the network camera. This is enabled from Setup > System > Network > NAT.

For more information, please see “3.5.5 System>Network>NAT” of User’s Manual.

3.3 Setting the admin password over a secure connection

To gain access to the product, the password for the default administrator user must be set. This is done in the “Admin Password” dialog, which is displayed when the network camera is accessed for the setup at the first time. Enter your admin name and password, set by the administrator.


Connect to 192.168.12.210
The server 192.168.12.210 for IP cameras requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name:
Password:
Remember my password
OK
Cancel

Note: The default administrator username is “ADMIN” and password is “1234”. If the password is lost, the network camera must be reset to the factory default settings. See section “3.5 Resetting to the Factory Default Settings” for more details.

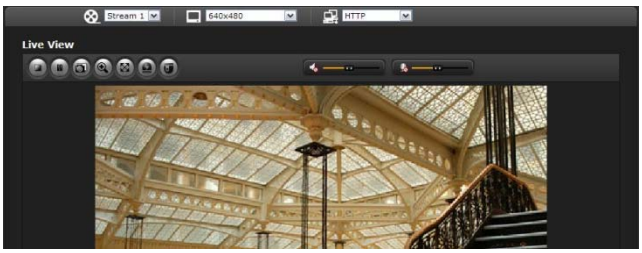
To prevent network eavesdropping when setting the admin password, this can be done via an encrypted HTTPS connection, which requires an HTTPS certificate (see note below).

To set the password via a standard HTTP connection, enter it directly in the first dialog shown below. To set the password via an encrypted HTTPS connection, see “3.5.5 System >Security>HTTPS” of User’s Manual.

Note: HTTPS (Hypertext Transfer Protocol over SSL) is a protocol used to encrypt the traffic between web browsers and servers. The HTTPS certificate controls the encrypted exchange of information.

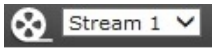
3.4 Live View Page

The live view page comes in several screen modes, for example 1920x1080, 1280x1024, 1280x720, 800x600, 704x480 (576), 640x480, 352x240 (288) and 320x240. Select the most suitable mode in accordance with your PC specifications and monitoring purposes.



1) General controls

Live View Page Search & Playback Page Setup Page Help Page



The video drop-down list allows you to select a customized or pre-programmed video stream on the live view page. Stream profiles are configured under Setup > Basic Configuration > Video & Image. For more information, see section “3.5.1 Basic Configuration > Video & Image” of this user’s manual.

he resolution drop-down list allows the selection of the most suitable video resolutions to be displayed on Live View page.

The protocol drop-down list allows the selection of the combination of protocols and methods to use depending on your viewing requirements and on the properties of the network.

2) Control toolbar

The live viewer toolbar is available in the web browser page only. It displays the following buttons:

The Stop button stops the video stream being played. Pressing the key again toggles the start and stop. The Start button connects to the network camera or start playing a video stream.

The Pause button temporarily stops (pauses) the video stream being played.

The Snapshot button takes a picture (snapshot) of the current image. The location where the image is saved can be specified.

The digital zoom activates a zoom-in or zoom-out function for video image on the live screen.

The Full Screen button causes the video image to fill the entire screen area. No other windows will be visible. Press the 'Esc' button on the computer keyboard to cancel full screen view.

The Manual Trigger button activates a pop-up window to manually start or stop the event.

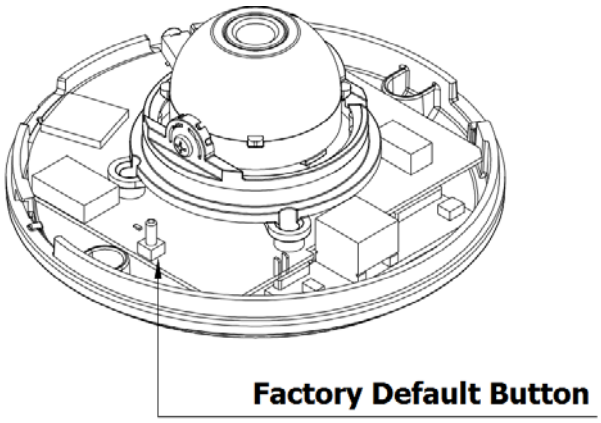
3) Video Streams

The network camera provides several images and video stream formats. Your requirements and the properties of your network will determine the type you use.

The Live View page in network camera provides access to H.264, MPEG-4 and Motion JPEG video streams and to the list of available video streams. Other applications and clients can also access these video streams/images directly, without going via the Live View page.

3.5 Resetting to the factory default settings

To reset the network camera to the original factory settings, go to the Setup>System> Maintenance web page (described in “3.5.5 System > Maintenance”) or use the Reset button on the network camera, as described below.



- **Using the Reset Button**
  Follow the instructions below to reset the network camera to the factory default settings using the Reset button.

  1. Power off the network camera by disconnecting the power adapter.
  2. Remove camera cover if not already done so.
  3. Press and hold the Reset button with a straightened paperclip while reconnecting the power.
  4. Keep the Reset button pressed during about 2 seconds.
  5. Release the Reset button.
  6. The network camera resets to factory defaults and restarts after completing the factory reset.
  7. Reattach the camera cover.

Caution: When performing a Factory Reset, you will lose any settings you have saved

3.7 More Information

For more information, refer to the network camera User’s Manual, which is available on the CD included in this package.

Vicon Industries Inc.

Internet Address: www.vicon-security.com

VICON

CE202D-N Network Camera Dome

50303746A